Amdt. Dated April 4, 2008

Reply Office Action mailed November 20, 2007

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

and

1. (Currently Amended) A method for manufacturing a glass substrate for an information recording medium manufactured by polishing the surface of a raw glass plate, the method comprising:

performing a first polishing process to roughly polish the surface of the raw glass plate to form a roughly polished raw glass plate be smooth; and

performing a second polishing process to finely polish the surface of the roughly polished raw glass plate to be smoother;

wherein the second polishing process includes two stages:

pre-polishing with a <u>soft polisher and a</u> polishing agent including abrasive grains of cerium oxide; and,

post-polishing with a polishing agent including abrasive grains of silicon oxide;

wherein, a rinsing process is performed between the pre-polishing and the post-polishing to rinse comprising rinsing the raw glass plate after the pre-polishing with a washing liquid while sliding the raw glass plate on a surface of the soft polisher to wash away the abrasive grains collected in the polishing pad in pre-polishing during the rinsing process.

2. (Currently Amended) The method for manufacturing a glass substrate for the information recording medium according to claim 1, wherein the abrasive grains of cerium oxide have a mean grain diameter of 1.5 μ m or less and are smaller than a nap formation hole for the soft polisher polishing pad.

Amdt. Dated April 4, 2008

Reply Office Action mailed November 20, 2007

3. (Currently Amended) The method for manufacturing a glass substrate for the information recording medium according to claim 2, wherein the abrasive grains of silicon oxide have a grain diameter that is smaller than the grains of cerium oxide, a mean grain diameter (D_{50}) of less than or equal to 0.2 μ m, and are smaller than \underline{an} the aperture diameter of \underline{a} the nap formation hole for the soft polisher polishing pad.

- 4. (Original) The method for manufacturing a glass substrate for the information recording medium according to claim 1, wherein the second polishing process has a total task time of 7 to 45 minutes.
- 5. (Original) The method for manufacturing a glass substrate for the information recording medium according to claim 1, wherein the post-polishing has a task time of 1 to 40 minutes.
- 6. (Original) The method for manufacturing a glass substrate for the information recording medium according to claim 1, wherein the rinsing process has a task time of 1 to 20 minutes.
- 7. (Currently Amended) The method for manufacturing a glass substrate for the information recording medium according to claim 1, wherein in the rinsing process, <u>a</u> load applied to the raw glass plate by the <u>surface of the soft polisher polishing pad</u> is lower than that <u>a load applied to the raw glass plate</u> by the <u>surface of the soft polisher in the pre-polishing stage</u>.
- 8. (Currently Amended) The method for manufacturing a glass substrate for the information recording medium according to claim 1, wherein in the rinsing process, load applied to the raw glass plate by the <u>surface of the soft polisher polishing pad</u> is the same as or lower than that a load applied to the raw glass plate by the surface of the soft polisher in the post-polishing stage.

Amdt. Dated April 4, 2008

Reply Office Action mailed November 20, 2007

9. (Currently Amended) The method for manufacturing a glass substrate for the information recording medium according to claim 1, wherein load related to the rinsing process a load applied to the raw glass plate by the surface of the soft polisher during the rinsing process is 25 to 70 g/cm².

10 - 13 (Cancelled)

14. (Currently Amended) The method for manufacturing a glass substrate for the information recording medium according to claim 1, wherein the abrasive grains of silicon oxide have a grain diameter that is smaller than the grains of cerium oxide, a mean grain diameter of less than or equal to $0.2 \mu m$, and are smaller than \underline{an} the aperture diameter of a nap formation hole for the \underline{soft} polisher polishing pad.

- 15. (Original) The method for manufacturing a glass substrate for the information recording medium according to claim 2 wherein the second polishing process has a total task time of 7 to 45 minutes.
- 16. (Original) The method for manufacturing a glass substrate for the information recording medium according to claim 2, wherein the post-polishing has a task time of 1 to 40 minutes.
- 17. (Original) The method for manufacturing a glass substrate for the information recording medium according to claim 2 wherein the rinsing process has a task time of 1 to 20 minutes.
- 18. (Currently Amended) The method for manufacturing a glass substrate for the information recording medium according to claim 2, wherein in the rinsing process, <u>a</u> load applied to the raw glass plate by the <u>soft polisher polishing pad</u> is lower than <u>a load applied to the raw glass plate by</u> the soft polisher that in the pre-polishing stage.

Amdt. Dated April 4, 2008

Reply Office Action mailed November 20, 2007

19. (Currently Amended) The method for manufacturing a glass substrate for the information recording medium according to claim 2, wherein in the rinsing process, load applied to the raw glass plate by the <u>soft polisher polishing pad</u> is the same as or lower than that a load applied to the raw glass plate by the <u>soft polisher that</u> in the post-polishing <u>stage</u>.

20. (Currently Amended) The method for manufacturing a glass substrate for the information recording medium according to claim 2, a load applied to the raw glass plate by the surface of the soft polisher during the rinsing process wherein load related to the rinsing process is 25 to 70 g/cm².